

CONFIDENTIAL - NOT FOR PUBLIC RELEASE**SITE SUMMARY AND RECOMMENDATION**

The Pfizer Inc (Pfizer), site (CERCLIS ID No. NJD002188811) is an active personal health care product manufacturing facility located at 100 Jefferson Road, Parsippany, New Jersey. The geographic coordinates of the site are 40° 51' 07.07" N latitude and 74° 25' 10.24" W longitude. The site occupies approximately 36 acres in a light industrial area and is identified in Parsippany Township tax records as Block 737, Lot 5. Pfizer is bordered to the west by Interstate Route 287; to the east by Jefferson Road; to the north by Pfizer's administrative and research and development facility, and L.P. Thebault (LPT); and to the south by Flextronics (formerly Atlas Soundolier), GenTek/General Chemical, HOMA Co., and Toshiba. The Pfizer facility consists of the main facility, which houses offices, manufacturing, packaging and warehouse space, and one small building used for limited production. Pfizer has been manufacturing cold creams and toiletry products at this location since 1961, when the facility was purchased from Leeming Pacquin.

The facility was expanded several times from 1961 through 1999, with the addition of new warehouses, manufacturing, administrative facilities, and a dissolved air flotation WWTP. The WWTP was put into place after consultations with Parsippany-Troy Hills township officials. Pfizer originally requested to be connected to the township POTW because their septic tanks and leachfields were continually becoming clogged and saturated. The township denied the request and Pfizer was forced to install its own WWTP. Now all process waste is sent to the on-site WWTP where residuals are removed and then disposed off site; the effluent is discharged to the POTW. Pfizer has two NJPDES DSW permits. Two outfall locations are on site; one discharges non-contact cooling water and stormwater directly to the headwaters of Eastman's Brook; the second discharges the process wastewater to the POTW. Both outfall locations have had several violations of their respective NJPDES permits.

A variety of products have been produced over the years at the site including: non-prescription pharmaceuticals, various assortments of hand and skin creams, zinc oxide products, Calmitol (chloroform), toothpaste, shaving cream, various spray starches, tanning lotions, eye drops, colognes and aftershaves (alcohol based), mouthwash, moistened wipes (1,1,1-TCA ingredient), and contact lens cleaner. Some of these products are currently being produced at the facility.

The AOCs at the site are a septic tank with a subsurface drain field (Site A) and a subsurface septic leachfield (Site B). The septic tanks and leachfields received process wastewater from 1956 until the installation of a 4,000-gallon AST in 1966. Ethyl ether was used as an ingredient in pharmaceutical manufacturing, however, the ether process wastes were collected in a septic tank that had no associated leach pit. The ether was disposed at off-site locations. Site A was located in the northeastern section of the property. The tank reportedly became continually clogged and was ordered closed by Parsippany Township in 1964. Site B was located in the southeastern section of the property and was closed in 1965. There is no official record of either AOC ever being removed or remediated. However, a letter dated April 23, 1980, from a Pfizer official, stated that Site A was deactivated in 1964 and was removed during a warehouse expansion project, with "new dirt being put in to allow construction." The same letter states that Site B was deactivated in 1965, with some excavation occurring during a facility expansion project. It is unknown how much soil was removed.



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Site A is now covered by a loading and unloading area of the main facility. Site B is now paved over and used as a parking lot. Both sites are inaccessible to the public. According to an April 1980 SI Report prepared by the NJDEP, a Parsippany Township PSW located southeast of the Pfizer site was closed due to contamination by metamine and chloroform. A Parsippany Township Health Officer made a statement attributing the contamination to the Pfizer site. Available background information indicates that metamine and chloroform were utilized at the Pfizer site. A July 1980 PA Report prepared by the EPA gave the site a no further action recommendation.

The above-mentioned PSW is known as Well No. 7 or the Halsey Road Well and is located approximately 500 feet southeast of the Pfizer facility. From 1966 until the well was first closed in 1968, residents in the township complained about the water coming from the Halsey Road Well. The residents complained about an ether-like odor and a medicinal taste to the water coming from the well. In September 1969, a 1,200-gallon spill of a men's cologne occurred at the facility that discharged through floor drains and flowed into the township sewage system and ultimately the township treatment plant. The effect of the spill on the plant was that sewer gas production decreased dramatically. According to the Parsippany-Troy Hills (PTH) Water Department, the well was closed due to TCE contamination in 1980. According to a Pfizer official, TCE was utilized in small quantities, but there have been no known spills.

A PA Report was prepared by Advanced Environmental Solutions (AES), L.L.C., for Pfizer in September 2002. The objective of the PA was to assist Pfizer and EPA in evaluating historical and current facility operations and physical setting. The PA Report identified three areas of environmental interest: the stormwater and non-contact cooling water surface water discharge (Outfall 001) on the southern side of the facility; historical UST locations; and on-site closed septic disposal systems. The PA report concluded that the identification of metamine (ether) and chloroform as the cause of odors detected in the Halsey Road Well was subjective and not supported by analytical data. In addition, the PA Report identified possible off-site sources of TCE that are situated upgradient of the Halsey Road Well. AES recommended that if necessary, screening investigations of the former septic system locations be conducted to confirm the presence/absence of residual contamination.

The Region II SAT performed an off-site reconnaissance on 15 June 2001 and an on-site reconnaissance of the Pfizer site on 20 February 2002. During the off-site reconnaissance SAT observed that the Pfizer site is situated in a light industrial area with several neighboring commercial facilities. SAT observed no daycare centers or residences on or within 200 feet of the site. The parking lot of the facility itself was under construction and a drainage basin was being installed. The site is bound to the south by the headwaters of Eastman's Brook, which flow in a southeasterly direction. The Halsey Road well was observed approximately 500 feet southeast of the site. A new housing development was located northeast of the site, with possibly a new PSW.

During the on-site reconnaissance Pfizer personnel escorted SAT on a tour of the facility. SAT observed the production areas, WWTP, and the hazardous waste storage area (LQG). The facility was kept clean and free of any debris. SAT was also escorted around the exterior of the facility. SAT observed the fire water tower and well house, location of former UST and associated monitoring wells, Sites A and B, both NJPDES permitted outfall locations, and present location of

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USTs (ethanol, #2 fuel oil). All locations appeared to be in good condition. Pfizer also presented SAT with copies of several documents including: 1,1,1-TCA Preliminary Assessment Report, 1999 Discharge Monitoring Reports, NJPDES permits, and a Chemical Inventory from 1992.

Potential receptors of groundwater contamination include approximately 109,067 people relying on public and domestic well supply from the aquifer of concern within 4 miles of the site. The nearest drinking water well is located approximately 0.27 miles northeast of the site. The Pfizer facility is located in a light industrial area. Nearby sites with documented groundwater contamination have been identified. Therefore, establishing site-attributable actual contamination of these receptors is unlikely.

A SUPERScreen (version 1.2) analysis of the Pfizer Inc site was performed on the basis of a potential release to groundwater. However, there is no analytical evidence to support the existence of on-site waste sources and the accusation that the Halsey Road Well was closed due to contamination attributable to Pfizer. In addition, there is evidence of regional groundwater contamination. Nearby sites with documented 1,1,1-TCA and TCE groundwater contamination have been identified. Therefore, documenting site-attributable actual contamination of groundwater receptors within 4 miles is unlikely.

The evaluation resulted in an overall site score of 0.00 which is below the score required (i.e., 28.5) for consideration for the National Priorities List (NPL). Based on an evaluation of the above conditions, a recommendation of **NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)** is given to the Pfizer Inc site.

SOURCE INFORMATION

8/22/2003 9:49:11AM

8/22/2003 8:23:05AM Daniel J. Gaughan

Session 2 - Pfizer Inc -- Rev - 1 Site Score: 0.00

DocRec Comments

Source 1 - Septic Tank Area ALatitudeLongitude

Type: Contaminated Soil / N/A

Lowest Depth of Contamination (ft): 10.00

Is Tier A Adequately Determined? No

Is Tier B Adequately Determined? No

Description: Septic Tank supposedly removed in 1970-71, deactivated in 1964. Both tanks and leachate fields were removed and new dirt brought in to allow construction.

Location:

Source HWQ:

Constituents (Tier A) Assigned Value:

WasteStream (Tier B) Assigned Value:

Volume (Tier C): > 0

Assigned Value:

Volume Ref:

Area (Tier D): 0.00sq ft

Assigned Value: 0.00

Area Ref:

Containment

GW	10	No evidence of hazardous substance migration from source area, a liner, and: None of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system, or (3) functioning leachate collection and removal system immediately above liner.
SWOL	10	No evidence of hazardous substance migration from source area and: Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system.
Gas	0	Source covered with essentially impermeable, regularly inspected, maintained cover.
Particulate	0	Source covered with essentially impermeable, regularly inspected, maintained cover.

Evidence -

Purpose:

Type:

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Is Sample Filtered?

Depth:

Lat: Long:

<u>CAS_Number</u>	<u>Chemical_Name</u>	<u>Quantity</u>	<u>Quantitation</u> <u>Limit</u>	<u>Qualfr</u>	<u>Man</u> <u>Made</u>	<u>Ubiq</u>	<u>Liquid</u>	<u>Neigh</u>	<u>Reference</u>
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Source 2 - Leachate Field Area B

Type: Contaminated Soil / N/A

LatitudeLongitude

Lowest Depth of Contamination (ft):

Is Tier A Adequately Determined? No

Is Tier B Adequately Determined? No

Description: Septic Tank and Leachate Field was deactivated in 1965. Some excavation occurred, although uncertain how much, for a facility expansion in 1967.

Location:

Source HWQ:

Constituents (Tier A) Assigned Value:

WasteStream (Tier B) Assigned Value:

Volume (Tier C): > 0

Assigned Value:

Volume Ref:

Area (Tier D):

Assigned Value: 0.00

Area Ref:

Containment

GW	10	No evidence of hazardous substance migration from source area, a liner, and: None of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system, or (3) functioning leachate collection and removal system immediately above liner.
SWOL	10	No evidence of hazardous substance migration from source area and: Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system.
Gas	0	Source covered with essentially impermeable, regularly inspected, maintained cover.
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Evidence -

Purpose:

Type:

Is Sample Filtered?

Depth:

Lat: Long:

<u>CAS_Number</u>	<u>Chemical_Name</u>	<u>Quantity</u>	<u>Quantitation</u> <u>Limit</u>	<u>Qualfr</u>	<u>Man</u> <u>Made</u>	<u>Ubiq</u>	<u>Liquid</u>	<u>Neigh</u>	<u>Reference</u>
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Session 2 - Pfizer Inc -- Rev - 1 Site Score: 0.00 Pathway Score: 0.00

Net Precipitation: 6 Federal Register, December 14, 1990, p. 51598
Net Precip Ref:**Strata 1 - Buried Valley**

This is a Non-Karst aquifer

Hydraulic Conductivity: 1.0E-002

Depth from 0.00 ft to 550.00 ft

Wellhead Protection Area Factor Value: 20 - Source w/GW Containment >0 lies within/above Designated WPA
Wellhead Reference: WHPA cd and mapResources: Irrigation of Commercial Crops
Resources Well Name:
Resources Reference:**Well Groups:**

Aquifer type	Distance Range	Num of Wells	Population Served
NON-KARST	0 to 1/4	1.00	650.00
NON-KARST	Greater than 1/4 to 1/2	1.00	2,631.00
NON-KARST	Greater than 1/2 to 1	10.00	18,425.00
NON-KARST	Greater than 1 to 2	14.00	21,064.00
NON-KARST	Greater than 2 to 3	13.00	41,284.00
NON-KARST	Greater than 3 to 4	30.00	25,013.00

Individual Wells:**Strata 2 - Passaic Formation**

This is a Non-Karst aquifer

This is inter-connected with the aquifer directly above it.

Hydraulic Conductivity: 1.0E-004

Depth from 550.00 ft to 6,000.00 ft

Wellhead Protection Area Factor Value: 20 - Source w/GW Containment >0 lies within/above Designated WPA
Wellhead Reference:Resources: Irrigation of Commercial Crops
Resources Well Name:
Resources Reference:

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Well Groups:

Aquifer Type

Distance Range

Number Wells

Population Served

Individual Wells:

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SURFACE WATER MIGRATION PATHWAY DATA

8/22/2003 9:48:49AM

8/22/2003 8:23:05AM Daniel J. Gaughan

Session 2 - Pfizer Inc -- Rev - 1 Site Score: 0.00 Pathway Score: 0.00

Rainfall: 3.50 inches

Rainfall Frequency Atlas of the US

Shed 1 - Passaic River

Drainage Area (acres):

Predominant Soil Group: C

Resources:

Predominant Water Body Type Between PPE and Nearest Int:

Predominant Water Body Type Between PPE and Nearest Fish RIVER

Predominant Water Body Type Between PPE and Nearest Sensitive Enviro: RIVER

Predominant Salinity Content for Fisheries: Fresh

Predominant Salinity Content for Sensitive Environment: Fresh

Flood Migration DataSourceSW ContainmentFlood Freq

1 - Septic Tank Area A

10 - Other

0

2 - Leachfield Area B

10 - Other

0

Section 1 - Headwaters to Eastman's Brook

Salinity Type: Fresh

Water Body Type: Minimal Stream (<10 cfs)

Section Length (mi): 0.50

Average Section Flow (cfs): 1.00

Average Section Depth (ft):

There is Not Tidal Carry

End of This Section Connects to Section 2 - Eastman's Brook at 0.00 Miles From Start of Connected Section

PPE DataSourceMiles FromMiles FromSourceStart of SectionReference

1 - Septic Tank Area A

0.06

0.00

2 - Leachfield Area B

0.06

0.00

Fishery DataFisheryMiles From LengthSection Start (mi) Extent of FisheryPopulationValue Reference

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Intake Data

Intake

-

Miles From
Sect Start Type

Reference

Population
Served

Sensitive Environment Data

Sensitive Environment

Sensitive Env Type

-

Miles From
Sect Start Wetland Frontage Reference

Wetland

Section 2 - Eastman's Brook

Salinity Type: Fresh

Water Body Type: Minimal Stream (<10 cfs)

Section Length (mi): 1.50

Average Section Flow (cfs): 1.00

Average Section Depth (ft):

There is Not Tidal Carry

End of This Section Connects to Section 3 - Troy Brook at 0.00 Miles From Start of Connected Section

PPE Data

Source

-

Miles From
Source Start of Section Reference

Miles From

Fishery Data

Fishery

-

Miles From
Section Start (mi) Extent of Fishery

Length

Population
Value Reference

Intake Data

Intake

-

Miles From
Sect Start Type

Reference

Population
Served

Sensitive Environment Data

Sensitive Environment

1 - Wetlands

Sensitive Env Type

-

Miles From
Sect Start Wetland Frontage Reference

Wetland

0.00

Yes

0.81

Section 3 - Troy Brook

Salinity Type: Fresh

Water Body Type: Minimal Stream (<10 cfs)

Section Length (mi): 3.00

Average Section Flow (cfs): 1.00

Average Section Depth (ft):

There is Not Tidal Carry

End of This Section Connects to Section 4 - Whippany River at 0.00 Miles From Start of Connected Section

PPE Data

Source

-

Miles From
Source

Miles From
Start of Section

Reference

Fishery Data

Fishery

-

Miles From
Section Start

Length
(mi) Extent of Fishery

Population
Value Reference

Intake Data

Intake

-

Miles From
Sect Start Type

Reference

Population
Served

Sensitive Environment Data

Sensitive Environment

1 - Wetlands

Sensitive Env Type

-

Miles From
Sect Start

Wetland
Frontage

Reference

0.00 Yes 4.06

Section 4 - Whippany River

Salinity Type: Fresh

Water Body Type: Moderate to Large Stream (>100-1,000 cfs)

Section Length (mi): 2.00

Average Section Flow (cfs): 120.00

Average Section Depth (ft):

There is Not Tidal Carry

End of This Section Connects to Section 5 - Passaic River at 0.00 Miles From Start of Connected Section

PPE Data

Source

-

Miles From
Source

Miles From
Start of Section

Reference

Fishery Data

Fishery

2 - Whippany River

Miles From
Section Start

Length
(mi) Extent of Fishery

Population
Value Reference

0.00 2.00 0.03

Intake Data

Intake

-

Miles From
Sect Start Type

Reference

Population
Served

Sensitive Environment Data

Sensitive Environment

1 - Wetlands

Sensitive Env Type

-

Miles From

Sect Start

0.00

Wetland

Yes

Wetland

Frontage

3.25

Reference**Section 5 - Passaic River**

Salinity Type: Fresh

Water Body Type: Moderate to Large Stream (>100-1,000 cfs)

Section Length (mi): 8.00

Average Section Flow (cfs): 484.00

Average Section Depth (ft):

There is Not Tidal Carry

PPE DataSource

-

Miles From
SourceMiles From
Start of SectionReference**Fishery Data**Fishery

1 - Passaic River

Miles From Length

Section Start

0.00

(mi)

Extent of Fishery

8.00

Population

Value

0.03

Reference**Intake Data**Intake

-

Miles From

Sect Start TypeReference

Population

Served**Sensitive Environment Data**Sensitive Environment

1 - Blue-Spotted Salamander

2 - Long-Eared Owl

3 - Red-Shouldered Hawk

3 - Wood Turtle

4 - Bobcat

6 - Barred Owl

7 - Wetland

Sensitive Env Type50 - Habitat known to be used by State
designated endangered or threatened species50 - Habitat known to be used by State
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designated endangered or threatened species50 - Habitat known to be used by State
designated endangered or threatened species50 - Habitat known to be used by State
designated endangered or threatened species

-

Miles From

Sect Start

7.90

Wetland

No

Wetland

Frontage

No

Reference

7.90

No

7.90

No

7.90

No

7.90

No

7.90

No

7.90

Yes

12.89

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Area

Size of AOC for RESIDENT population consideration: sq ft

Size of AOC for NEARBY population consideration: sq ft

Attractiveness: -

Resource Use: 0 - None

Sensitive EnvironmentsSensitive EnvironmentSensitive Env. ValueReference

-

-

Selected SourcesSource

-

Resident PopulationPopulationDistance (ft)On PropertySource ID - SamplePopulation Reference

-

Nearby PopulationPopulationDistance CategoryPopulation Reference

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Session 2 - Pfizer Inc -- Rev - 1 Site Score: 0.00 Pathway Score: 0.00

DocRec Comments

Particulate Migration Potential Factor Value: 6

Particulate Mobility Factor Value: 0.00

Source 1 - Septic Tank Area A

Type: Contaminated Soil / N/A

Source HWQ:

Containment

Gas - 0 Source covered with essentially impermeable, regularly inspected, maintained cover.

Particulate - 0 Source covered with essentially impermeable, regularly inspected, maintained cover.

Sample -

Observation Type:

Height:

Distance From Source (mi):

Wind Direction:

Interval:

Latitude:

Longitude:

Reference:

Notes:

<u>CAS_Number</u>	<u>Chemical_Name</u>	<u>Quantity</u>	<u>Quantitation</u> <u>Limit</u>	<u>Qualfr</u>	<u>DirOb</u>	<u>ManMd</u>	<u>Ubq</u>	<u>Neigh</u>	<u>Reference</u>
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Targets**Population**

<u>Distance Category</u>	<u>Level of Concen</u>	<u>Population</u>	<u>Dist to Near Ind</u>	<u>Reference</u>
On Source	POT			
Greater than 0 to 1/4	POT	557.00		
Greater than 1/4 to 1/2	POT	2,268.00		
Greater than 1/2 to 1	POT	6,225.00		
Greater than 1 to 2	POT	17,814.00		
Greater than 2 to 3	POT	26,911.00		
Greater than 3 to 4	POT	34,100.00		
Greater than 4	N/A			

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Wetlands

<u>Distance</u>	<u>Category</u>	<u>Level of Concentration</u>	<u>Wetland Acres</u>	<u>Reference</u>
On Source		POT		
Greater than 0 to 1/4		POT	0.19	
Greater than 1/4 to 1/2		POT	1.36	
Greater than 1/2 to 1		POT	10.41	
Greater than 1 to 2		POT	83.97	
Greater than 2 to 3		POT	178.64	
Greater than 3 to 4		POT	240.62	
Greater than 4		N/A		

Resources

<u>Resource</u>	<u>Reference</u>
-	

Sensitive Environments

<u>Sensitive Environment</u>	<u>Dist from Src</u>	<u>Rating</u>	<u>Senv Env Reference</u>
1 - Cooper's Hawk	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
2 - Blue-Spotted Salamander	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
3 - Grasshopper Sparrow	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
4 - Long-Eared Owl	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
5 - Re-Shouldered Hawk	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
6 - Northern Harrier	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
7 - Sedge Wren	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
8 - Wood Turtle	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
9 - Bog Turtle	3.90	75 - Habitat known to be used by Federal designated or proposed endangered/threatened species	
10 - Bobcat	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
11 - Red-Headed Woodpecker	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
12 - Barred Owl	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
13 - Bog Rosemary	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
14 - Redbud	3.90	50 - Habitat known to be used by State designated endangered or threatened species	
15 - Virginia Bunchflower	3.90	50 - Habitat known to be used by State designated endangered or threatened species	

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Source 2 - Leachfield Area B

Type: Contaminated Soil / N/A

Source HWQ:

Containment

Gas - 0 Source covered with essentially impermeable, regularly inspected, maintained cover.

Particulate - 0 Source covered with essentially impermeable, regularly inspected, maintained cover.

Sample -

Observation Type:

Height:

Distance From Source (mi):

Wind Direction:

Interval:

Latitude:

Longitude:

Reference:

Notes:

<u>CAS_Number</u>	<u>Chemical_Name</u>	<u>Quantity</u>	<u>Quantitation</u> <u>Limit</u>	<u>Qualfr</u>	<u>DirOb</u>	<u>ManMd</u>	<u>Ubq</u>	<u>Neigh</u>	<u>Reference</u>
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Targets**Population**

<u>Distance Category</u>	<u>Level of Concen</u>	<u>Population</u>	<u>Dist to Near Ind</u>	<u>Reference</u>
On Source	POT			
Greater than 0 to 1/4	POT	557.00		
Greater than 1/4 to 1/2	POT	2,268.00		
Greater than 1/2 to 1	POT	6,225.00		
Greater than 1 to 2	POT	17,814.00		
Greater than 2 to 3	POT	26,911.00		
Greater than 3 to 4	POT	34,100.00		
Greater than 4	N/A			

Wetlands

<u>Distance Category</u>	<u>Level of Concentration</u>	<u>Wetland Acres</u>	<u>Reference</u>
On Source	POT		
Greater than 0 to 1/4	POT	0.19	
Greater than 1/4 to 1/2	POT	1.36	
Greater than 1/2 to 1	POT	10.41	
Greater than 1 to 2	POT	83.97	
Greater than 2 to 3	POT	178.64	
Greater than 3 to 4	POT	240.62	
Greater than 4	N/A		

Resources

<u>Resource</u>	<u>Reference</u>
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Sensitive EnvironmentsSensitive EnvironmentDist from SrcRatingSenv Env Reference

1 - Cooper's Hawk	3.90	50 - Habitat known to be used by State designated endangered or threatened species
2 - Blue-Spotted Salamander	3.90	50 - Habitat known to be used by State designated endangered or threatened species
3 - Grasshopper Sparrow	3.90	50 - Habitat known to be used by State designated endangered or threatened species
4 - Long-Eared Owl	3.90	50 - Habitat known to be used by State designated endangered or threatened species
5 - Red-Shouldered Hawk	3.90	50 - Habitat known to be used by State designated endangered or threatened species
6 - Northern Harrier	3.90	50 - Habitat known to be used by State designated endangered or threatened species
7 - Sedge Wren	3.90	50 - Habitat known to be used by State designated endangered or threatened species
8 - Wood Turtle	3.90	50 - Habitat known to be used by State designated endangered or threatened species
9 - Bog Turtle	3.90	75 - Habitat known to be used by Federal designated or proposed endangered/threatened species
10 - Bobcat	3.90	50 - Habitat known to be used by State designated endangered or threatened species
11 - Red-Headed Woodpecker	3.90	50 - Habitat known to be used by State designated endangered or threatened species
12 - Barred Owl	3.90	50 - Habitat known to be used by State designated endangered or threatened species
13 - Bog Rosemary	3.90	50 - Habitat known to be used by State designated endangered or threatened species
14 - Redbud	3.90	50 - Habitat known to be used by State designated endangered or threatened species
15 - Virginia Bunchflower	3.90	50 - Habitat known to be used by State designated endangered or threatened species

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